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**United States Patent** [19]

Lee et al.

[11] Patent Number: **5,637,345**[45] Date of Patent: **\*Jun. 10, 1997**[54] **METHOD OF MANUFACTURING  
POWDERED DEER BLOOD**[75] Inventors: **Youn S. Lee**, Christchurch, New  
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Korea[73] Assignee: **National Deer Horn Limited**,  
Christchurch, New Zealand[\*] Notice: The term of this patent shall not extend  
beyond the expiration date of Pat. No.  
5,460,677.[21] Appl. No.: **584,748**[22] Filed: **Jan. 11, 1996****Related U.S. Application Data**[63] Continuation-in-part of Ser. No. 284,159, Aug. 2, 1994, Pat.  
No. 5,505,980.[30] **Foreign Application Priority Data**

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[51] Int. Cl.<sup>6</sup> ..... **A23L 1/311; A23L 1/313**[52] U.S. Cl. .... **426/647; 426/385; 426/444;**  
**426/473**[58] Field of Search ..... **426/647, 385,**  
**426/444, 473**[56] **References Cited****U.S. PATENT DOCUMENTS**

4,098,780	7/1978	Lindroos .....	426/647 X
4,330,463	5/1982	Luijterink .....	426/647 X
4,446,066	5/1984	Luijterink .....	426/647 X
4,666,725	5/1987	Yamashita et al. ....	426/647 X
4,986,998	1/1991	Yoo et al. ....	426/647

**FOREIGN PATENT DOCUMENTS**

1-211452	8/1989	Japan .....	426/647
1738219	6/1992	U.S.S.R. ....	426/647

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Welter & Schmidt[57] **ABSTRACT**

Powdered deer blood, preferably that of a stag, can be produced according to a method which comprises the steps of freezing the blood of a deer, cutting the frozen blood into slices, freeze-drying the slices of frozen blood and grinding down the freeze-dried blood into a powder. The invention also relates to the product formed from the aforementioned method.

**8 Claims, No Drawings**

FOI(b)(7) - (D)